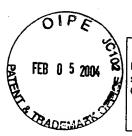
Attorney Docket No.: P3D4-US



CERTIFICATE OF MAILING BY "FIRST CLASS MAIL" 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail on May 14, 2002 in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.Ç. 2023).

Michelle White

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Eldridge et al.

Application No.: 09/746,960

Filing Date: December 21, 2000

For: ELECTRICAL CONTACT STRUCTURES
FORMED BY CONFIGURING A FLEXIBLE
WIRE TO HAVE A SPRINGABLE SHAPE
AND OVERCOATING THE WIRE WITH AT
LEAST ONE LAYER OF A RESILIENT

CONDUCTIVE MATERIAL, METHODS OF

MOUNTING THE CONTACT STRUCTURES TO ELECTRONIC COMPONENTS, AND APPLICATIONS FOR EMPLOYING THE CONTACT

STRUCTURES

Examiner: K. Cuneo Group Art Unit: 3621

COPY

INFORMATION DISCLOSURE STATEMENT (IDS)

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Listed on an attached Form PTO/SB/08A is information known to applicant(s). Copies of the cited references are <u>not</u> being provided at this time, since they are a part of the record in the parent Application No. 08/452,255, filed May 26,1995, to which this application claims priority.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. The Examiner is requested to initial and return the attached Form PTO/SB/08A in accordance with MPEP §609.

PATENT Attorney Docket No.: P3D4-US

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

| • | | This s apply) | statemei : | nt qualif | ies under 37 C.F.R. §1.97, subsection (b) because (check all that | | | |
|----------|----|--|---------------|---------------------|---|--|--|--|
| | | 1 | | (1) | It is being filed within 3 months of the application filing date (other than the filing date of a continued prosecution application under §1.53(d)) OR | | | |
| | | | | (2) | It is being filed within 3 months of entry of a national stage | | | |
| <u> </u> | O, | > | | (3) | It is being filed before the mail date of the first Office Action on the merits | | | |
| | D | | | (4) | OR It is being filed before the mail date of the first Office Action after the filing of a request for continued examination under §1.114. | | | |
| | | 37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three more beyond the filing date of a national application; (2) three months beyond the date of enthe national stage as set forth in §1.491 in an international application; (3) the mailing of a first Office action on the merits, or (4) the mailing date of a first Office Action after filing of a request for continued examination under §1.114, but before the mailing date of earlier of a final office action under §1.113, a notice of allowance under §1.311, or an atthat otherwise closes prosecution in the application, then: | | | | | | |
| | | | a state | ment as | s specified in §1.97(e) is provided below; or | | | |
| | | | a fee o | f \$180.0 e paym | 00 as set forth in §1.17(p) is authorized below, enclosed, or included ent of other papers filed together with this statement. | | | |
| | | 37 C.F.R. §1.97(d). If this statement is being filed after the mailing date of the earlier of a final office action under §1.113, a notice of allowance under §1.311, or an action that otherwise closes prosecution in the application, but before payment of the issue fee, then: | | | | | | |
| | | A. | a state | ment as | s specified in §1.97(e) is provided below; and | | | |
| | | B. | | | 00 as set forth in §1.17(p) is authorized below, enclosed, or included ent of other papers filed together with this statement. | | | |

Attorney Docket No.: P3D4-US

Fee Authorization. Applicants hereby authorize the Commissioner to charge the above fee of \$180.00 to Deposit Account No. 50-0285 (Order No. P3D4-US). Although Applicants believe that no fee is due in connection with the filing of this paper, the Commissioner is hereby authorized to charge any additional fees due, or credit any overpayment associated, with this communication to Deposit Account No. 50-0285 (order no. P3D4-US).

Respectfully submitted,

Date: May 13, 2002

N. Kenneth Burrasto

Reg. No. 39,923

FormFactor, Inc. Legal Department 2140 Research Drive Livermore, CA 94550 Telephone: (925) 294-4300 Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Application Number | 09/746,960 | |
| Filing Date | 12/21/2000 | |
| First Named Inventor | Eldridge et al. | |
| Group Art Unit | 3621 | |
| Examiner Name | K. Cuneo | |
| Attorney Docket No. | P3D4-US | |

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| Examiner | Date | |
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| Signature | Considered | |

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



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Complete If Known

Application Number 09/746,960

Filing Date 12/21/2000

First Named Inventor Eldridge et al.

Group Art Unit 3621

Examiner Name K. Cuneo

Attorney Docket No. P3D4-US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete If Known Application Number 09/746,960 Filing Date 12/21/2000 First Named Inventor Eldridge et al. Group Art Unit 3621 **Examiner Name** K. Cuneo Attorney Docket No. **P3D4-US**

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OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when Examiner No.1 appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), Initials' date, page(s), volume-issue number(s), publisher, city and/or country where published 60 "Method of Testing Chips and Joining Chips to Substrates" Research Disclosure, No. 322, p.130, February 1991. 61 "Bitmetal VLSI Chip Interconnections" IBM Technical Disclosure Bulletin, Vol.29, No. 11, pp. 5021-5022, April 1987. 62 "Method for Large Board Engineering Changes and Repair", IBM Technical Disclosure Bulletin, Vol.37, No. 02B, pp. 583-585. February 1994. "Engineering Change Interposer" IBM Technical Disclosure Bulletin, 63 Vol.37, No. 9, p.157, September 1994. Ensworth, G.B., "Method of Testing Chips and Joining Chips to 64 Substrates, 2244 Research Disclosure, No. 322, February 1991. 65 "Bare-Chip-Attachment Method Spread I/O, Permits Pre-testing". 2328 Electronic Design, Vol.39, No. 10, May 23, 1991. IBM Technical Disclosure Bulletin, Vol. 29, No. 8, p.3754, January 66 1987.

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| Signature | Considered |

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.





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| Application No.: 09/ | Attorney Docket No.: P3D4-US | | | | | | |
| Inventor: Benjamin | N. Eldridge et al. | Date Due: | | | | | |
| Title: ELECTRICA | AL CONTACT STRUCTURE | - SHAPE A | S FORMED BY CONFIGURING A SHAPE AND OVERCOATING THE WIRE | | | | |
| Title: ELECTRICAL CONTACT STRUCTURES TO TIMED BY OVERCOATING THE WIRE FLEXIBLE WIRE TO HAVE A SPRINGABLE SHAPE AND OVERCOATING THE WIRE WITH AT LEAST ONE LAYER OF A RESILIENT CONDUCTIVE MATERIAL, METHODS OF MOUNTING THE CONTACT STRUCTURES TO ELECTRONIC | | | | | | | |
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